Inventor: SUGITA et al.
Docket No.: 10873.1317USC1
Title: MAGNETORESISTIVE ELEMENT, MAGNETIC HEAD, MAGNETIC MEMORY
AND MAGNETIC RECORDING APPARATUS USING THE SAME
Attorney Name: Douglas P. Mueller
Phone No.: 612.371.5237
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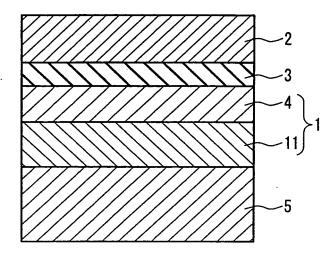


FIG. 1

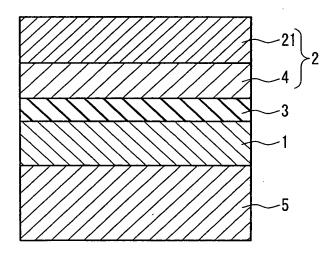


FIG. 2

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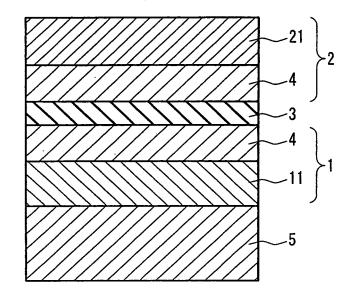


FIG. 3

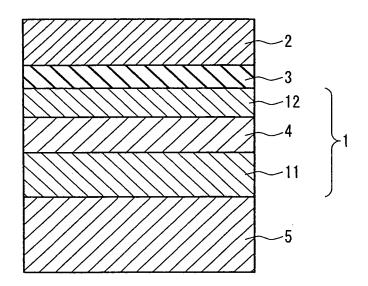


FIG. 4

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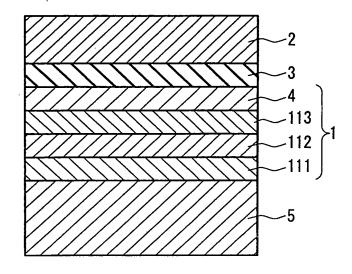


FIG. 5

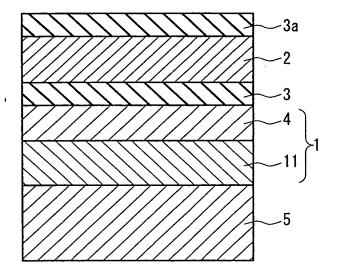


FIG. 6

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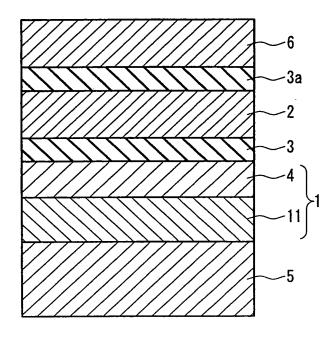


FIG. 7

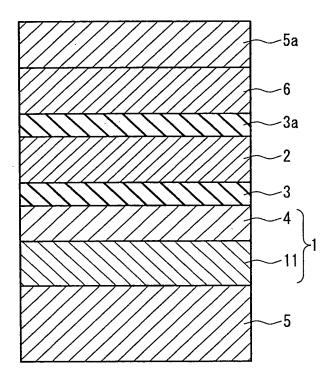


FIG. 8

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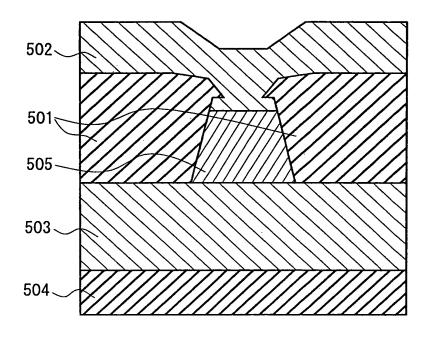


FIG. 9

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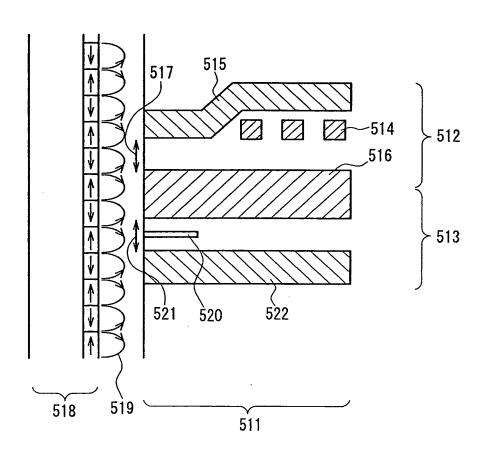


FIG. 10

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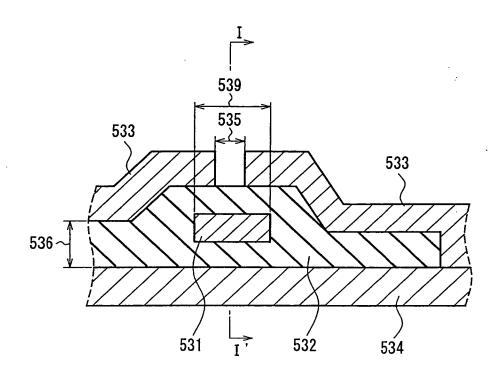


FIG. 11

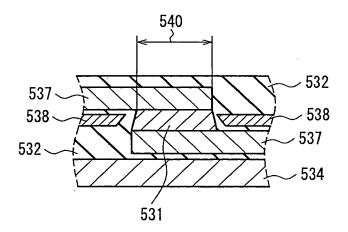


FIG. 12

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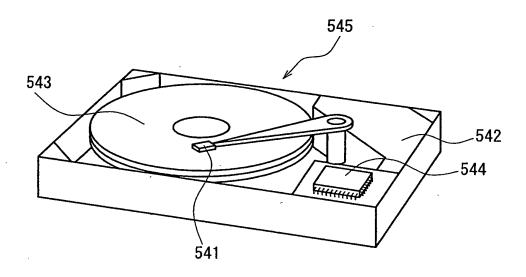


FIG. 13

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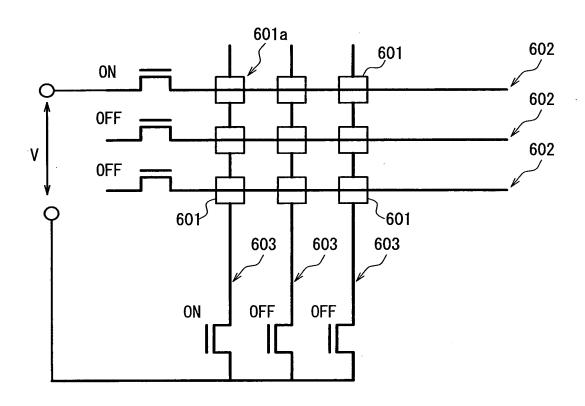


FIG. 14

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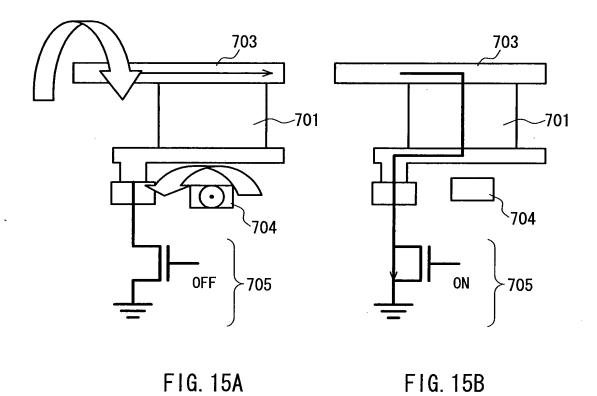


FIG. 15B

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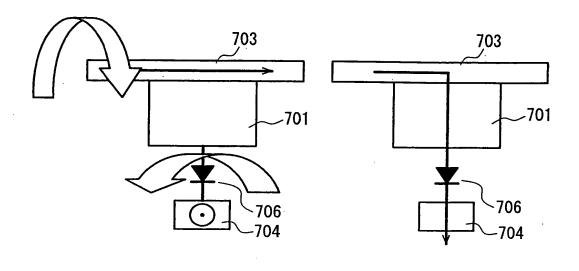
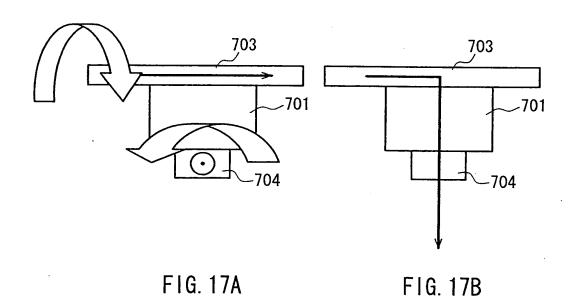


FIG. 16A

FIG. 16B



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